

Appl. No. 10/664,266
Resp. Dated Jul. 18, 2005
Reply to Final OA of May 18, 2005

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

Claim 1. (currently amended) A shock absorbing device comprising:

a first arm;

a second arm;

a mid-filler attachment without a bottom plate or lid having a side with a non-linear shape between where the first arm and the second arm are secured to the mid-filler attachment to promote crushing by flattening of the mid-filler attachment during application of impact force to the shock absorbing device, and a hollow center dimensioned to accept shock absorbing material wherein the first arm and the second arm are permanently affixed to the mid-filler attachment in a manner to concentrate the impact force by crushing of the mid-filler attachment.

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Claim 2. (currently amended) The shock absorbing device of claim 1 further comprising:

a shock absorbing material affixed within the hollow center of the mid-filler attachment that is dimensioned to accept the shock absorbing material.

Claim 3. (currently amended) The shock absorbing device of claim 2 wherein the shock absorbing material contains symmetrically arranged voids to increase compression of the shock absorbing material having a cross sectional shape selected from the group consisting of lotus root ~~or~~ and loofah.

Claim 4. (currently amended) The shock absorbing device of claim 1 further comprising:

an attachment means to allow for removal or attachment of the first arm to a car frame.

Claim 5. (currently amended) The shock absorbing device of claim 1 further comprising:

an attachment means to allow for removal or attachment of the second arm to a bumper.

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Claim 6. (currently amended) The shock absorbing device of claim 5 further comprising:

a bumper.

Claims 7-31 (Canceled)

Claim 32. (currently amended) A shock absorbing device comprising:

a first arm;

a second arm;

a mid-filler attachment having an elliptical cross-sectional shape, wherein the mid-filler attachment is open and without a bottom plate or lid, wherein the mid-filler attachment has a hollow center dimensioned to accept shock absorbing material and wherein the sides of the mid-filler attachment are located between the first arm and the second arm and are of a non-linear shape, wherein the arms are permanently affixed to the mid-filler attachment in a manner to promote crushing by flattening at the midpoint of the side of the mid-filler attachment during impact.

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Claim 33. (previously presented) The shock of claim 32
further comprising:

a shock absorbing material affixed within the hollow
center of the mid-filler attachment.

Claim 34. (previously presented) The shock of claim 33
wherein the shock absorbing material contains symmetrically
arranged voids to increase compression of the shock
absorbing material having a cross sectional shape selected
from the group consisting of lotus root or loofah.

Claim 35. (previously presented) The shock of claim 32
wherein the elliptical shape of the mid-filler attachment
is in the form of a circle.

Claim 36. (previously presented) The shock of claim 32
further comprising:

an attachment means to allow for removal or attachment
of the first arm to a car frame.

Claim 37. (previously presented) The shock of claim 32
further comprising:

an attachment means to allow for removal or attachment
of the second arm to a bumper.

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Claim 38. (previously presented) The shock of claim 36 further comprising:

a bumper.

Claim 39. (currently amended) A shock absorbing device comprising:

a first arm;

a second arm;

a mid-filler attachment having a hollow center dimensioned to accept shock absorbing material without a bottom plate or lid, wherein the mid-filler attachment has a polygonal cross-sectional shape with non-linear sides to promote crushing by flattening of the mid-filler attachment at the mid-point of the side during application of impact force, and wherein the first arm and the second arm are permanently affixed to the mid-filler attachment in a manner to promote crushing of the midpoint of the mid-filler attachment.

Claim 40. (previously presented) The shock of claim 39 further comprising:

a shock absorbing material affixed within the hollow center of the mid-filler attachment.

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Claim 41. (currently amended) The shock of claim 40 wherein the shock absorbing material contains symmetrically arranged voids to increase compression of the shock absorbing material having a cross sectional shape selected from the group consisting of lotus root ~~or~~ and loofah.

Claim 42. (previously presented) The shock of claim 39 further comprising:

an attachment means to allow for removal or attachment of the first arm to a car frame.

Claim 43. (previously presented) The shock of claim 39 further comprising:

an attachment means to allow for removal or attachment of the second arm to a bumper.

Claim 44. (previously presented) The shock of claim 39 further comprising:

a bumper.

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Claim 45. (currently amended) A shock absorbing device comprising:

a first arm;

a second arm;

a mid-filler attachment with a hollow center wherein the first arm and the second arm are permanently affixed to the mid-filler attachment in a manner to promote crushing by flattening;

a shock absorbing material affixed within the hollow center of the mid-filler attachment wherein the shock absorbing material contains symmetrically arranged voids to increase compression of the shock absorbing material having a cross sectional shape selected from the group consisting of lotus root ~~or~~ and loofah.